

### **Results for the 10'x60' circular tank with ramp:**

#### **Circular tank:**

Tank Diameter = 60 ft

Tank Wall thickness = 8 in (actual)

Tank Height = 10 ft

$f_y = 60,000$  psi

$f'_c = 4,000$  psi

Horizontal Steel = #4 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	10	2' 1"
4	10	2' 11"
5	10	3' 9"
6	10	4' 7"
7	10	5' 5"
8	10	6' 3"
9	12	7' 3"
10	12	8' 3"
11	12	9' 3"
12	6	9' 9"

Vertical Steel shall be #4 @ 12" O.C.


Dowels "L" bars shall be #4 @ 12" O.C. with a horizontal leg of 6" and a vertical leg of 26"

In the tank wall, at the notch for the ramp add:

3-#6 bars x 9'-10" long @ 4" O.C. vertically.

3-#6 bars x 20' long @ 4" O.C. horizontally.

4-#6 bars x 6' long @ 4" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	_____ County, PA <b>ROUND TANK W/RAMP</b> <b>DETAIL Page 6.11</b>	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
		Revisions <u>Pereverzoff</u> <u>1/9/08</u>
		Checked _____
		Approved _____